"EAST" SEARCH HISTORY 10/614,871

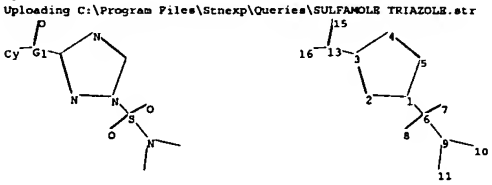
(INCLUDING INTERFERENCE SEARCH IN USPG-PUB)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("5817829").PN.	USPAT	OR	OFF	2005/12/01 09:46
L2	3068	548/263.2 or 548/264.4 or 548/264.6 or 546/195 or 546/196 or 546/198 or 546/199 or 546/211 or 544/140	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/01 09:47
L3	488	l2 and (sulfonamide or sulfonamido or sulfamoyl or sulfamide or sulfamido)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/01 09:52
L4	41	l3 and (1,2,4-triazole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/01 09:52

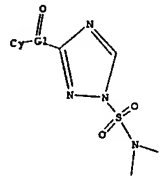
STN SEARCH TRANSCRIPT

10/614,871

```
Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623ZCT

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR 7):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2          "Ask CAS" for self-help around the clock
 NEWS  3  SEP 09  ACD predicted properties enhanced in REGISTRY/ZREGISTRY
 NEWS  4  OCT 03  MATHDI removed from STN
 NEWS  5  OCT 04  CA/CAplus-Canadian Intellectual Property Office (CIPO) added
                  to core patent offices
 NEWS  6  OCT 13  New CAS Information Use Policies Effective October 17, 2005
 NEWS  7  OCT 17  STN(R) AnaVist(TM), Version 1.01, allows the export/download
                  of CAplus documents for use in third-party analysis and
                  visualization tools
 NEWS  8  OCT 27  Free KWIC format extended in full-text databases
 NEWS  9  OCT 27  DIOGENES content streamlined
 NEWS 10  OCT 27  EPFULL enhanced with additional content
 NEWS 11  NOV 14  CA/CAplus - Expanded coverage of German academic research
 NEWS 12  NOV 30  REGISTRY/ZREGISTRY on STN(R) enhanced with experimental
                  spectral property data

 NEWS EXPRESS  NOVEMBER 18 CURRENT VERSION FOR WINDOWS IS V8.01,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005.
               V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
               http://download.cas.org/express/v8.0-Discover/

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

  * * * * * * * * * * * * * STN  Columbus * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:54:51 ON 01 DEC 2005

=> FILE REG
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY     SESSION
FULL ESTIMATED COST                               0.21        0.21

FILE 'REGISTRY' ENTERED AT 10:55:38 ON 01 DEC 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   29 NOV 2005  HIGHEST RN 868943-57-1
DICTIONARY FILE UPDATES:  29 NOV 2005  HIGHEST RN 868943-57-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from  *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\Program Files\Stnexp\Queries\SULFAMOLE TRIAZOLE.str
```




```
chain nodes :
6  7  8  9  13  15  16
ring nodes :
1  2  3  4  5
ring/chain nodes :
10  11
chain bonds :
1-6  3-13  6-7  6-8  6-9  9-10  9-11  13-15  13-16
ring bonds :
1-2  1-5  2-3  3-4  4-5
exact/norm bonds :
1-2  1-5  1-6  2-3  3-4  3-13  4-5  6-7  6-8  6-9  9-10  9-11  13-15  13-16
isolated ring systems :
containing 1 :


G1:C,S

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS  11:CLASS  13:CLASS  15:CLASS  16:Atom
Generic attributes :
16:
Saturation              : Unsaturated



L1      STRUCTURE UPLOADED

=> que L1

L2   QUE L1

=> D L2
L2 HAS NO ANSWERS
L1              STR
```



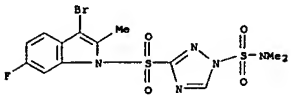

```
G1 C,S


Structure attributes must be viewed using STN Express query preparation.
L2              QUE  ABB=ON  PLU=ON  L1

=> s l1
SAMPLE SEARCH INITIATED 10:58:53 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       21 TO ITERATE

100.0% PROCESSED       21 ITERATIONS                          20 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           146 TO      694
PROJECTED ANSWERS:              132 TO      668

L3           20 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 10:59:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      338 TO ITERATE

100.0% PROCESSED      338 ITERATIONS                          295 ANSWERS
SEARCH TIME: 00.00.01

L4          295 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY     SESSION
FULL ESTIMATED COST                             163.48      163.69

FILE 'CAPLUS' ENTERED AT 10:59:09 ON 01 DEC 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 1 Dec 2005  VOL 143 ISS 23
FILE LAST UPDATED: 30 Nov 2005  (20051130/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l4
L5          19 L4

=> s l4/prep
            19 L4
       3391541 PREP/RL
L6          12 L4/PREP
                (L4 (L) PREP/RL)

=> d 1-12 ibib abs hitstr

L6   ANSWER 1 OF 12  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2005:405059  CAPLUS
DOCUMENT NUMBER:          142:425349
TITLE:                    Storage-stable agrochemical compositions, especially
                          aqueous suspensions, containing crystals of
                          1-(N,N-dimethylsulfamoyl)-3-(2-methyl-3-bromo-6-
                          fluoroindol-1-yl)sulfonyl-1,2,4-triazole
INVENTOR(S):              Furusawa, Hiroyuki
PATENT ASSIGNEE(S):       Nissan Chemical Industries, Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 14 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:
```

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005119975	A2	20050512	JP 2003-353394	20031014
PRIORITY APPLN. INFO.:			JP 2003-353394	20031014

AB Compns., useful for plant pest control, contain crystals of the title compound (I) which has peaks at 2 θ = 8.08, 14.68, 16.20, 18.74, 21.06, 24.76, and 26.44 in powder x-ray diffraction, and optionally surfactants. Also claimed are aqueous suspensions containing I having the above x-ray diffraction peaks, surfactants, and H2O. Thus, I was dissolved in EtOH at 80° and cooled to 5° over 10 min, and the precipitated crystals were rinsed with cold EtOH and vacuum-dried to give high-melting crystals having endothermic peak at 131.3° and the claimed diffraction peaks. An aqueous suspension containing I and a mixture of polyoxyethylene styrylphenyl ether and polyoxyethylene-polyoxypropylene block polymer was stored at 40° for 30 days to show change of the particle size from 2.3 to 3.5 μm, vs. 2.6 to 11.6 μm for a control aqueous suspension containing I showing endothermic peak at 125.4°, prepared by gradually cooling an EtOH solution of I.

IT 348635-87-0P
RL: AGR (Agricultural use); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation); USES (Uses)
(storage-stable agrochem. compns., especially aqueous suspensions, containing crystals of (dimethylsulfamoyl)(methylbromofluoroindolyl)sulfonyl]triazole as plant pest control agent)

RN 348635-87-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-bromo-6-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

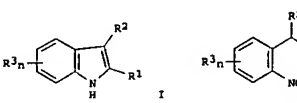


L6 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	2005:368142 CAPLUS
DOCUMENT NUMBER:	142:406004
TITLE:	Production of indole compound with variable crystal structures
INVENTOR(S):	Shirai, Yasuo; Tanaka, Norio
PATENT ASSIGNEE(S):	Nissan Chemical Industries, Ltd., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005112738	A2	20050428	JP 2003-345797	20031003
PRIORITY APPLN. INFO.:			JP 2003-345797	20031003

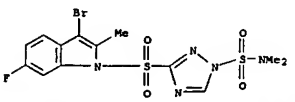
GI



AB Indoles I (R1, R2 = H, Ph, substituted Ph; R3 = alkyl, halo, etc.; n = 0-4), useful as intermediates for agrochem. fungicides, are prepared by reduction of nitrophenylacetones II in the preaence of reduction catalyst, acylation agent, and a base. Thus, hydrogenation of 4-fluoro-2-nitrophenylacetone in toluene in the presence of Ac2O, NaOAc and 5% Pd/C at 50° for 6 h gave 95.0% 6-fluoro-2-methylindole. The latter was converted in 2 steps to the fungicide 3-[(3-bromo-6-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl-1H-1,2,4-triazole-1-sulfonamide.

IT 348635-87-0P
RL: AGR (Agricultural use); IMF (Industrial manufacture); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indole derivs. as intermediates for fungicides)

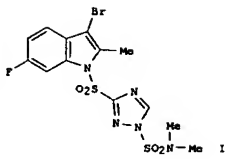
RN 348635-87-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-bromo-6-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

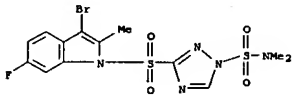
ACCESSION NUMBER:	2001:514924 CAPLUS
DOCUMENT NUMBER:	135:92635
TITLE:	Preparation of indolylsulfonyltriazole derivatives as agrochemical fungicides and agrochemicals
INVENTOR(S):	Sato, Jun; Takeyama, Toshiaki; Yamagishi, Kazuhiro
PATENT ASSIGNEE(S):	Nissan Chemical Industries, Ltd., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 12 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	



AB 1-(N,N-dimethylsulfamoyl)-3-(3-bromo-6-fluoro-2-methyl-indol-1-yl)sulfonyl-1,2,4-triazole (I) of crystals with high m.p. and those with low m.p. are prepared while the crystals are pulverized under different pressure levels, and at different temps. The variable crystals are also made from solns. containing this compound by altering the rate of cooling and of condensation during the crystallization, by controlling the crystallized structure.
High m.p. crystals are obtained from solns. with an inadequate solvent.

IT 348635-87-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(conditions for producing with variable crystal structures)

RN 348635-87-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-bromo-6-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



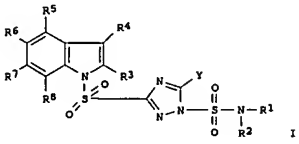
L6 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	2003:796696 CAPLUS
DOCUMENT NUMBER:	139:276817
TITLE:	Preparation of indole derivatives as intermediates for fungicides
INVENTOR(S):	Fukuda, Kenzo; Kondo, Yasuo; Tanaka, Norio; Irimata, Atsushi; Utsunomiya, Tomohisa; Shirai, Yasuo
PATENT ASSIGNEE(S):	Nissan Chemical Industries, Ltd., Japan
SOURCE:	PCT Int. Appl., 45 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003082860	A1	20031009	WO 2003-JP3963	20030328
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001192381	A2	20010717	JP 2000-2155	20000111
PRIORITY APPLN. INFO.:			JP 2000-2155	20000111
OTHER SOURCE(S):	MARPAT 135:92635			

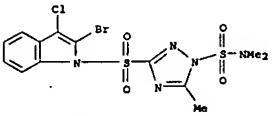
GI



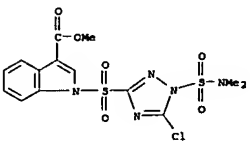
AB The title compds. I [R1, R2 = alkyl; further detail on R1 and R2 is given; Y = halo, etc.; R3, R4 = H, alkyl, etc.; R5 - R8 = H, alkyl, etc.] are prepared Compds. of this invention at 1000 ppm gave ≥ 80% control of Phytophthora infestans.

IT 223456-89-1P 223456-93-7P 348575-04-2P
348575-05-3P 348575-06-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylalkylsulfonyltriazole derivs. as agrochem. fungicides)

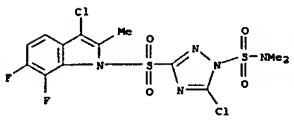
RN 223456-89-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-bromo-3-chloro-1H-indol-1-yl)sulfonyl]-N,N,5-trimethyl- (9CI) (CA INDEX NAME)



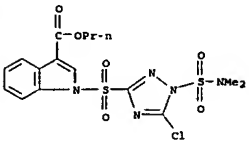
RN 223456-93-7 CAPLUS
CN 1H-Indole-3-carboxylic acid, 1-[[5-chloro-1-[(dimethylamino)sulfonyl]-1H-1,2,4-triazol-3-yl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



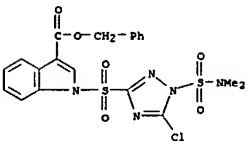
RN 348575-04-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 5-chloro-3-[(3-chloro-6,7-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 348575-05-3 CAPLUS
CN 1H-Indole-3-carboxylic acid, 1-[[5-chloro-1-[(dimethylamino)sulfonyl]-1H-1,2,4-triazol-3-yl]sulfonyl]-, propyl ester (9CI) (CA INDEX NAME)



RN 348575-06-4 CAPLUS
CN 1H-Indole-3-carboxylic acid, 1-[[5-chloro-1-[(dimethylamino)sulfonyl]-1H-1,2,4-triazol-3-yl]sulfonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:496315 CAPLUS
DOCUMENT NUMBER: 135:92634
TITLE: Preparation of triazoles as intermediates for agrochemical fungicides
INVENTOR(S): Hamada, Toshimasa; Takeyama, Toshiaki
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

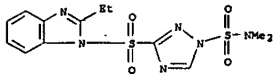
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001187786	A2	20010710	JP 2000-318044	20001018
PRIORITY APPLN. INFO.:			JP 1999-296136 A	19991019

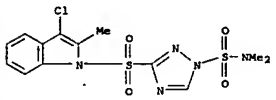
OTHER SOURCE(S): CASREACT 135:92634; MARPAT 135:92634
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

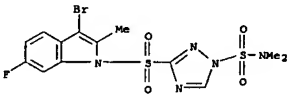
AB Triazoles I [R1, R2 = C1-4 alkyl; R1R2 may form C4-6 alkylene, C2-3 alkyleneoxy-C2-3 alkylene; Y = H, halo, C1-8 alkyl, C1-6 alkoxy, C1-10 alkylthio, CN, CHO, (un)substituted benzylthio, (un)substituted Ph(CH2), etc.], useful as intermediates for 3-chlorosulfonyl-1-dialkylsulfamoyl-1,2,4-triazoles, are prepared by chlorination/oxidation of II (A = H, Q; R1, R2, Y = same as above). II (A = Q; R1, R2, Y = same as above) are prepared by condensation of disulfides III with XSO2NR1R2 (R1, R2 = same as above; X = halo). Reduction of II (A = Q; R1, R2, Y = same as above) gives II (A = H; R1, R2, Y = same as above). Thus, Cl was supplied to a solution of bis[1-(N,N-dimethylsulfamoyl)-1,2,4-triazol-3-yl] disulfide in aqueous AcOH at ≤5° to give 95% 1-(N,N-dimethylsulfamoyl)-3-chlorosulfonyl-1,2,4-triazole.
IT 198349-82-5P 223454-73-7P 348635-87-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of agrochem. fungicides via (chlorosulfonyl)(dimethylsulfamoyl) triazoles)
RN 198349-82-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-ethyl-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 223454-73-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



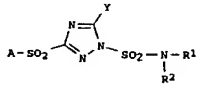
RN 348635-87-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-bromo-6-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



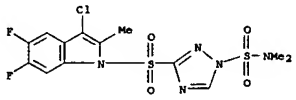
L6 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:765440 CAPLUS
DOCUMENT NUMBER: 133:321888
TITLE: Preparation of indolylsulfonyltriazole derivatives as agrochemical fungicides
INVENTOR(S): Takeyama, Toshiaki; Hamada, Toshimasa; Takahashi, Hiroaki; Yamagishi, Kazuhiro; Nishioka, Masanori; Suzuki, Hiroyuki
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000302781	A2	20001031	JP 1999-114706	19990422
PRIORITY APPLN. INFO.:			JP 1999-114706	19990422

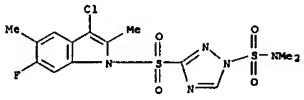
OTHER SOURCE(S): MARPAT 133:321888
GI



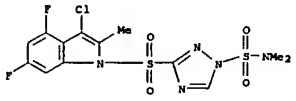
AB The title compds. I [R1, R2 = alkyl, etc.; Y = H, halo, etc.; A = indole rings (generic structures given)] are prepared 1-(N,N-Dimethylsulfamoyl)-3-(2-methyl-3-chloro-5,6-difluoroindol-1-yl)sulfonyl-1,2,4-triazole at 500 ppm gave complete control of Pseudoperonospora cubensis.
IT 303042-58-2P 303042-59-3P 303042-60-6P
303042-61-7P 303042-62-8P 303042-63-9P
303042-64-0P 303042-65-1P 303042-66-2P
303042-67-3P 303042-68-4P 303042-69-5P
303042-70-8P 303042-76-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylsulfonyltriazole derivs. as agrochem. fungicides)
RN 303042-58-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-5,6-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



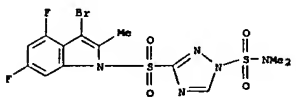
RN 303042-59-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-6-fluoro-2,5-dimethyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



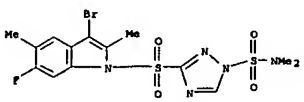
RN 303042-60-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-4,6-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



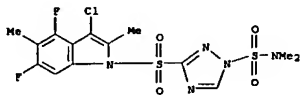
RN 303042-61-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-bromo-4,6-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



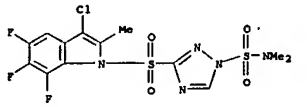
RN 303042-62-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-bromo-6-fluoro-2,5-dimethyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



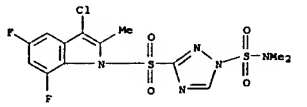
RN 303042-63-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-4,6-difluoro-2,5-dimethyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



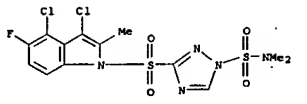
RN 303042-64-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-5,6,7-trifluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



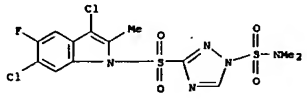
RN 303042-65-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-5,7-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



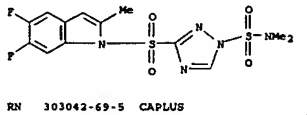
RN 303042-66-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3,4-dichloro-5-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



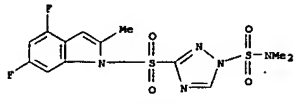
RN 303042-67-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3,6-dichloro-5-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



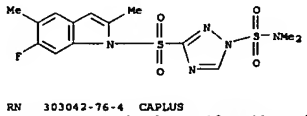
RN 303042-68-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(5,6-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



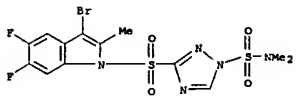
RN 303042-69-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4,6-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 303042-70-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(6-fluoro-2,5-dimethyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



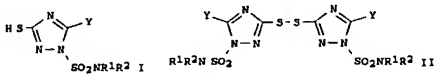
RN 303042-76-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-bromo-5,6-difluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



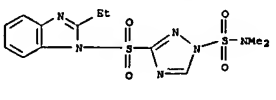
L6 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:699106 CAPLUS
DOCUMENT NUMBER: 131:310635
TITLE: Preparation of triazole compounds as intermediates for fungicides
INVENTOR(S): Hamada, Toshimasa; Takeyama, Toshiaki
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11302264	A2	19991102	JP 1998-111784	19980422
PRIORITY APPLN. INFO.:			JP 1998-111784	19980422

OTHER SOURCE(S): CASREACT 131:310635; MARPAT 131:310635
GI



AB Title compds. I and II (R1, R2 = alkyl; R1R2 = alkylene, alkyleneoxyalkylene; Y = H, halo, alkyl, benzylthio, etc.), useful as intermediates for fungicides, are prepared Thus, reaction of bis(1,2,4-triazol-3-yl) disulfide with N,N-dimethylsulfamoyl chloride in DMF in the presence of K2CO3 gave 70% II (R1 = R2 = Me, Y = H), reaction of which with MeNHNH2 in CHCl3 gave 66% I (R1 = R2 = Me, Y = H).
IT 198349-82-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of triazole compds. as intermediates for fungicides)
RN 198349-82-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-ethyl-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



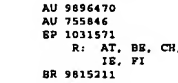
L6 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:297416 CAPLUS
DOCUMENT NUMBER: 130:292818
TITLE: Sulfamoyl compounds useful as agricultural or horticultural fungicides
INVENTOR(S): Takeyama, Toshiaki; Hamada, Toshimasa; Takahashi, Hiroaki; Watanabe, Junichi; Yamagishi, Kazuhiro; Nishioka, Masanori; Suzuki, Hiroyuki
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 112 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

APPLICANTS

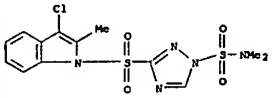
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9921851	A1	19990506	WO 1998-JP4808	19981023
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2309051	AA	19990506	CA 1998-2309051	19981023
AU 9896470	A1	19990517	AU 1998-96470	19981023
AU 755846	B2	20021219		
EP 1031571	A1	20000830	EP 1998-950362	19981023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9815211	A	20001017	BR 1998-15211	19981023
CN 1550499	A	20041201	CN 2004-10045950	19981023
US 6350748	B1	20020226	US 2000-529417	20000602
US 2002103243	A1	20020801	US 2001-964357	20010928
US 6620812	B2	20030916		
US 2004143116	A1	20040722	US 2003-614871	20030709
PRIORITY APPLN. INFO.:			JP 1997-292399	A 19971024
			WO 1998-JP4808	W 19981023
			US 2000-529817	A3 20000602
			US 2001-964357	A3 20010928

OTHER SOURCE(S): MARPAT 130:292818
GI

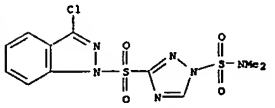


AB Novel sulfamoyl compds. (I, where R is SO2A or COB; R1 and R2 each independently is C1-4 alkyl, or R1 and R2 in combination represent C4-6 alkylene or C4-6 alkyleneoxy; Y is H, halo, C1-8 alkyl, C1-8 alkoxy, C1-8 alkylthio, C1-8 haloalkyl, C1-8 haloalkoxy, or C1-8 haloalkylthio; A is a given heterocyclic group; B is a given heterocyclic group which is the same as or different from A) (preparative and formulation examples given) are useful as an agricultural or horticultural fungicides. Thus, 1-(N,N-dimethylsulfamoyl)-3-(2-methyl-3-chloroindol-1-yl)sulfonyl-1,2,4-triazole at 500 ppm gave 100% control of Pseudoperonospora cubensis in a pot experiment with cucumber.
IT 223454-73-7P 223454-74-8P 223454-75-9P
223454-76-0P 223454-77-1P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of sulfamoyl compds. as agricultural or horticultural fungicides)
RN 223454-73-7 CAPLUS

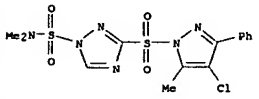
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



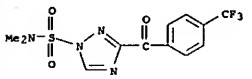
RN 223454-74-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chloro-1H-indazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



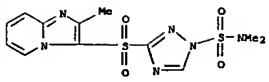
RN 223454-75-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4-chloro-5-methyl-3-phenyl-1H-pyrazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 223454-76-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 223454-77-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-methylimidazo[1,2-a]pyridin-3-yl)sulfonyl]- (9CI) (CA INDEX NAME)

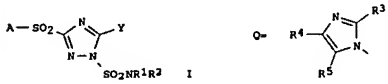


REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:740220 CAPLUS
DOCUMENT NUMBER: 127:346403
TITLE: Preparation of sulfamoyltriazole derivatives as agricultural and horticultural fungicides
INVENTOR(S): Takeyama, Toshiaki; Utsunomiya, Tomohisa; Watanabe, Junichi; Oya, Hiroshi; Furusato, Takashi
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 139 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9741113	A1	19971106	WO 1997-JP1454	19970425
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
JP 11302276	A2	19991102	JP 1996-107554	19960426
AU 9724077	A1	19971119	AU 1997-24077	19970425
PRIORITY APPLN. INFO.:			JP 1996-107554 A	19960426
			WO 1997-JP1454 W	19970425

OTHER SOURCE(S): MARPAT 127:346403
GI

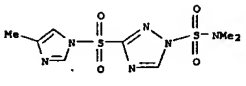


AB Novel sulfamoyltriazole derivs. represented by general formula [I; R1 and R2 represent each alkyl or R1 and R2 form together alkylene; Y = H, alkyl, alkoxy, alkylthio, haloalkyl, haloalkylthio, benzylthio, (un)substituted Ph or benzyl; A represents a group represented by heterocyclyl, e.g. Q; wherein R3 = H, C1-8 alkyl, C3-6 cycloalkyl, C3-6 cycloalkyl-C1-4 alkyl, C1-6 alkoxy, C1-10 alkylthio, C3-10 alkenylthio, C3-10 alkynylthio, C1-6 haloalkyl, C1-6 haloalkylthio, (un)substituted benzylthio, etc.; R4, R5 = H, halo, C1-8 alkyl, C1-6 haloalkyl, C1-6 alkoxy, C1-6 alkylthio, C1-6 alkylsulfoxy, C1-6 alkylsulfonyl, NO2, cyano, C1-6 alkoxycarbonyl, C1-6 alkylcarbonyl, (un)substituted Ph or CH2Ph, etc.] are prepared Thus,

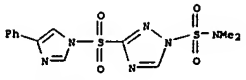
4-phenylimidazole was stirred with Et3N and 3-chlorosulfonyl-1,2,4-triazole in THF at room temperature for 16 h to give 3-(4-phenylimidazol-1-yl)-1,2,4-triazole, which was stirred with N,N-dimethylsulfamoyl chloride and K2CO3 in MeCN at room temperature for 16 h to give 1-(N,N-dimethylsulfamoyl)-3-(4-phenylimidazol-1-yl)sulfonyl)-1,2,4-triazole. The latter compound at 500 ppm controlled 100% Pseudoperonospora cubensis for cucumber seedlings.

IT 198349-69-8P 198349-70-1P 198349-71-2P
198349-72-3P 198349-73-4P 198349-74-5P
198349-75-6P 198349-76-7P 198349-77-8P
198349-78-9P 198349-79-0P 198349-80-3P
198349-81-4P 198349-82-5P 198349-83-6P
198349-84-7P 198349-85-8P 198349-86-9P
198349-87-0P 198349-88-1P 198349-90-5P
198349-92-7P 198349-94-9P 198349-96-1P
198349-98-3P 198350-00-4P 198350-02-6P
198350-03-7P 198350-05-9P 198350-06-0P
198350-07-1P 198350-08-2P 198350-09-3P
198350-10-6P 198350-11-7P 198350-12-8P
198350-13-9P 198350-14-0P 198350-15-1P
198350-16-2P 198350-17-3P 198350-18-4P
198350-19-5P 198350-20-8P 198350-21-9P
198350-22-0P 198350-23-1P 198350-24-2P
198350-25-3P 198350-26-4P 198350-27-5P
198350-28-6P 198350-29-7P 198350-30-0P
198350-31-1P 198350-32-2P 198350-33-3P
198350-34-4P 198350-35-5P 198350-36-6P
198350-37-7P 198350-38-8P 198350-39-9P
198350-46-8P 198350-47-9P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of sulfamoyltriazole derivs. as agricultural and horticultural fungicides)

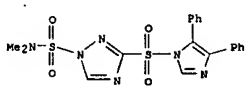
RN 198349-69-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(4-methyl-1H-imidazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



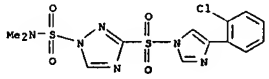
RN 198349-70-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(4-phenyl-1H-imidazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



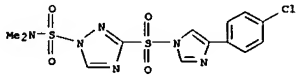
RN 198349-71-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4,5-diphenyl-1H-imidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



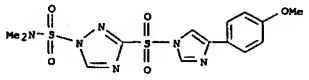
RN 198349-72-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[4-(2-chlorophenyl)-1H-imidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



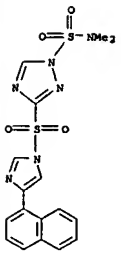
RN 198349-73-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[4-(4-chlorophenyl)-1H-imidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



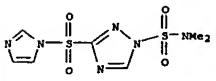
RN 198349-74-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[4-(4-methoxyphenyl)-1H-imidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



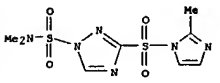
RN 198349-75-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[4-(1-naphthalenyl)-1H-imidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



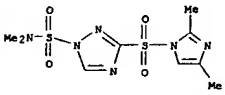
RN 198349-76-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-(1H-imidazol-1-ylsulfonyl)-N,N-dimethyl- (9CI) (CA INDEX NAME)



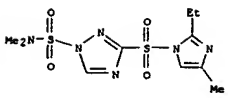
RN 198349-77-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-methyl-1H-imidazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



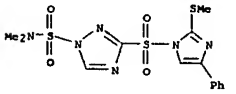
RN 198349-78-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2,4-dimethyl-1H-imidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



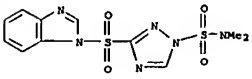
RN 198349-79-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-ethyl-4-methyl-1H-imidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



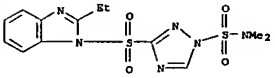
RN 198349-80-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(methylthio)-4-phenyl-1H-imidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



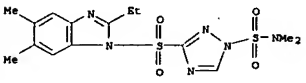
RN 198349-81-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-(1H-benzimidazol-1-ylsulfonyl)-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 198349-82-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-ethyl-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

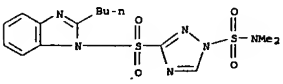


RN 198349-83-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-ethyl-5,6-dimethyl-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

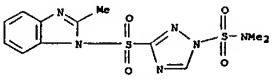


RN 198349-84-7 CAPLUS

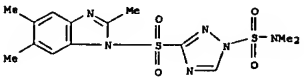
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-butyl-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



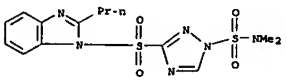
RN 198349-85-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-methyl-1H-benzimidazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



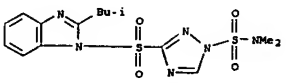
RN 198349-86-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2,5,6-trimethyl-1H-benzimidazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 198349-87-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-propyl-1H-benzimidazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)

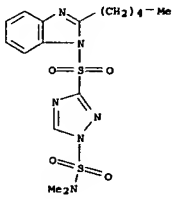


RN 198349-88-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(2-methylpropyl)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)

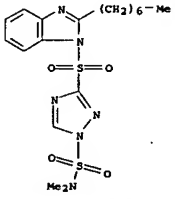


RN 198349-90-5 CAPLUS

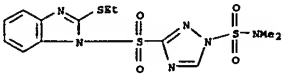
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-pentyl-1H-benzimidazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



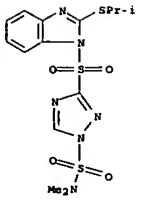
RN 198349-92-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-heptyl-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



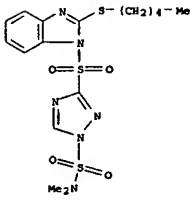
RN 198349-94-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(ethylthio)-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



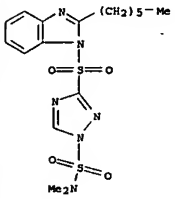
RN 198349-96-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[(1-methylethyl)thio]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



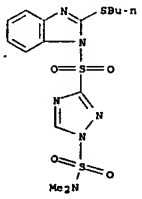
RN 198349-98-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(pentylthio)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



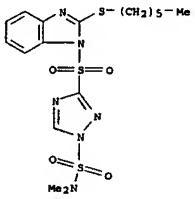
RN 198350-00-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-hexyl-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



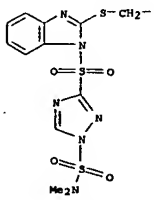
RN 198350-02-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(methylthio)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



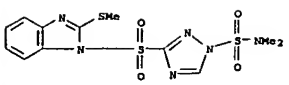
RN 198350-08-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(hexylthio)-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



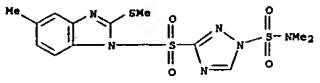
RN 198350-09-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[(phenylmethyl)thio]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



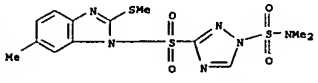
RN 198350-10-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-ethoxy-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



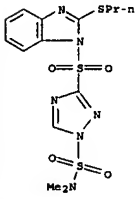
RN 198350-03-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[5-methyl-2-(methylthio)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



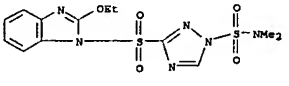
RN 198350-05-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[6-methyl-2-(methylthio)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



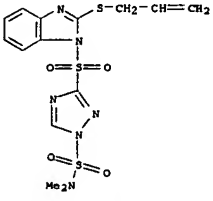
RN 198350-06-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(propylthio)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



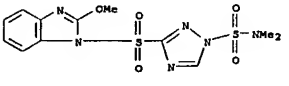
RN 198350-07-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(butylthio)-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



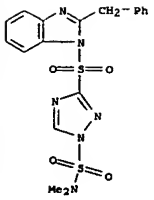
RN 198350-11-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(2-propenylthio)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



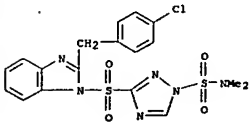
RN 198350-12-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-methoxy-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



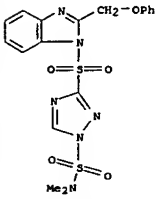
RN 198350-13-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(phenylmethyl)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



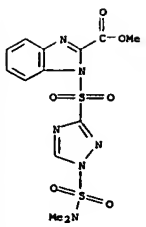
RN 198350-14-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-[(4-chlorophenyl)methyl]-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



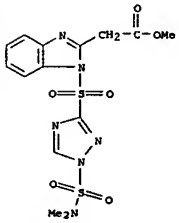
RN 198350-15-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(phenoxymethyl)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



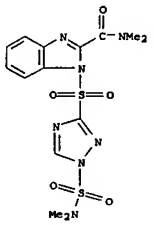
RN 198350-16-2 CAPLUS
CN 1H-Benzimidazole-2-carboxylic acid, 1-[[1-[(dimethylamino)sulfonyl]-1H-1,2,4-triazol-3-yl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



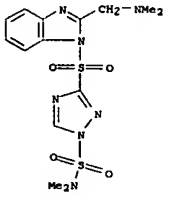
RN 198350-17-3 CAPLUS
CN 1H-Benzimidazole-2-acetic acid, 1-[[1-[(dimethylamino)sulfonyl]-1H-1,2,4-triazol-3-yl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



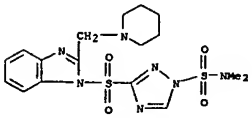
RN 198350-18-4 CAPLUS
CN 1H-Benzimidazole-2-carboxamide, 1-[[1-[(dimethylamino)sulfonyl]-1H-1,2,4-triazol-3-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



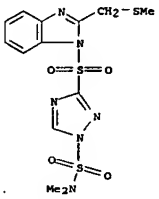
RN 198350-19-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-[(dimethylamino)methyl]-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



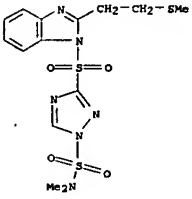
RN 198350-20-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(1-piperidinylmethyl)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



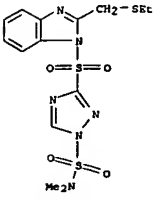
RN 198350-21-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[(methylthio)methyl]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



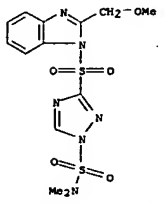
RN 198350-22-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[2-(methylthio)ethyl]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



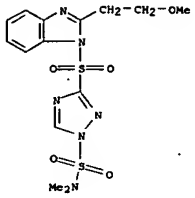
RN 198350-23-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-[(ethylthio)methyl]-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



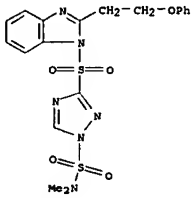
RN 198350-24-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(methoxymethyl)-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



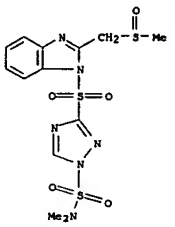
RN 198350-25-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(2-methoxyethyl)-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



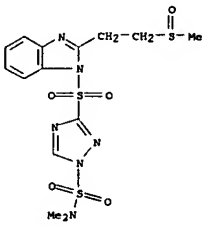
RN 198350-26-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(2-phenoxyethyl)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



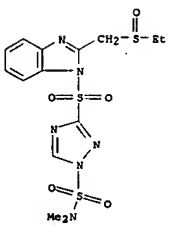
RN 198350-27-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[(methylsulfinyl)methyl]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



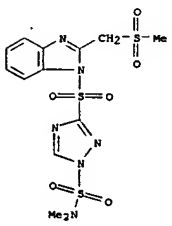
RN 198350-28-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[2-(methylsulfinyl)ethyl]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



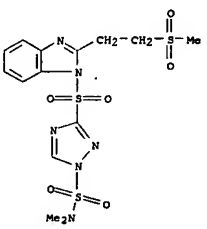
RN 198350-29-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-[(ethylsulfinyl)methyl]-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



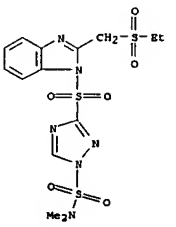
RN 198350-30-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[(methylsulfonyl)methyl]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



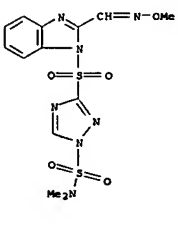
RN 198350-31-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-[2-(methylsulfonyl)ethyl]-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



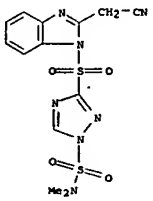
RN 198350-32-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-[(ethylsulfonyl)methyl]-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



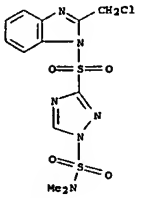
RN 198350-33-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-[(methoxyimino)methyl]-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



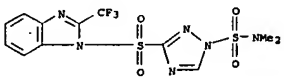
RN 198350-34-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(cyanomethyl)-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



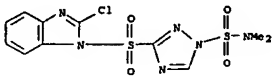
RN 198350-35-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(chloromethyl)-1H-benzimidazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



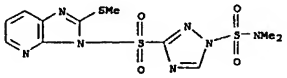
RN 198350-36-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(trifluoromethyl)-1H-benzimidazol-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



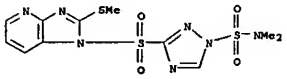
RN 198350-37-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-chloro-1H-benzimidazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



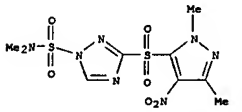
RN 198350-38-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(methylthio)-3H-imidazo[4,5-b]pyridin-3-yl]sulfonyl]- (9CI) (CA INDEX NAME)



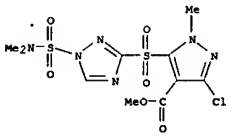
RN 198350-39-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(methylthio)-1H-imidazo[4,5-b]pyridin-1-yl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 198350-46-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(1,3-dimethyl-4-nitro-1H-pyrazol-5-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



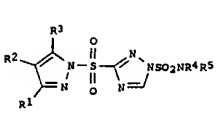
RN 198350-47-9 CAPLUS
CN 1H-Pyrazole-4-carboxylic acid, 3-chloro-5-[[1-[(dimethylamino)sulfonyl]-1H-1,2,4-triazol-3-yl]sulfonyl]-1-methyl-, methyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:11003 CAPLUS
DOCUMENT NUMBER: 124:55958
TITLE: Preparation of sulfamoyltriazole derivatives as agrochemical fungicides
INVENTOR(S): Usui, Yoshihiro; Tsutsumi, Yoshimi; Go, Atsushi; Yamada, Seiichiro
PATENT ASSIGNEE(S): Mitsubishi Kagaku KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

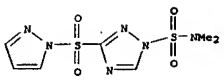
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07215971	A2	19950815	JP 1994-11643	19940203
PRIORITY APPLN. INFO.:			JP 1994-11643	19940203

OTHER SOURCE(S): MARPAT 124:55958
GI

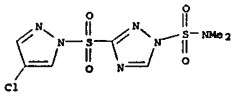


I

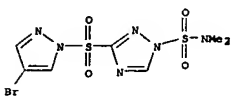
AB The title compds. I [R1 - R3 = H, halo, etc.; R4, R5 = alkyl; or R4R5 = (alkyl-substituted) alkylene] are prepared I [R1 = tert-butyl; R2 = H; R3 = R4 = R5 = methyl] (II) was prepared in 2 steps from 3-tert-butyl-5-methylpyrazole and 3-chlorosulfonyl-1,2,4-triazole. II at 200 ppm gave ≥ 95% control of Pyricularia oryzae.
IT 171967-76-3P 171967-77-4P 171967-78-5P
171967-79-6P 171967-80-9P 171967-81-0P
171967-82-1P 171967-83-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of sulfamoyltriazole derivs. as agrochem. fungicides)
RN 171967-76-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-(1H-pyrazol-1-ylsulfonyl)- (9CI) (CA INDEX NAME)



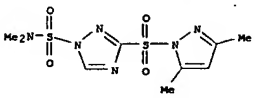
RN 171967-77-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4-chloro-1H-pyrazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



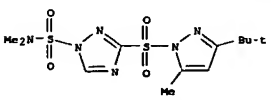
RN 171967-78-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4-bromo-1H-pyrazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 171967-79-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3,5-dimethyl-1H-pyrazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

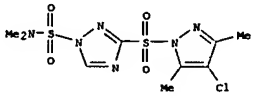


RN 171967-80-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-(1,1-dimethylethyl)-5-methyl-1H-pyrazol-1-yl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

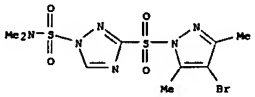


RN 171967-81-0 CAPLUS

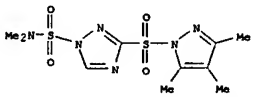
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4-chloro-3,5-dimethyl-1H-pyrazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 171967-82-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4-bromo-3,5-dimethyl-1H-pyrazol-1-yl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



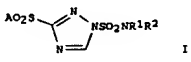
RN 171967-83-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(3,4,5-trimethyl-1H-pyrazol-1-yl)sulfonyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:513660 CAPLUS
DOCUMENT NUMBER: 122:265382
TITLE: Preparation of sulfamoyltriazole derivatives as agrochemical fungicides
INVENTOR(S): Kirio, Yoshe; Yamada, Seiichiro; Usui, Yoshihiro; Tsutsumi, Yoshimi; Go, Atsushi
PATENT ASSIGNEE(S): Mitsubishi Kagaku KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 26 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

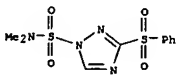
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07002803	A2	19950106	JP 1993-144708	19930616
PRIORITY APPLN. INFO.:			JP 1993-144708	19930616

OTHER SOURCE(S): MARPAT 122:265382
GI

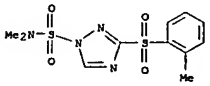


I

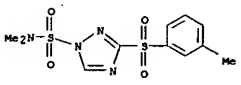
AB The title compds. I [R1, R2 = alkyl, or R1R2 = (alkyl-substituted) alkylene; A = (un)substituted aryl] are prepared I [A = phenyl; R1 = R2 = methyl] at 200 ppm gave ≥ 95% control of Pseudoperonospora cubensis. The fungicidal activity of 15 compds. of this invention are given in a table in this document.
IT 154084-27-2P 154084-28-3P 154084-29-4P
154084-30-7P 154084-31-8P 154084-32-9P
154084-33-0P 154084-34-1P 154084-35-2P
154084-36-3P 154084-37-4P 154084-38-5P
154084-39-6P 154084-40-9P 154084-46-5P
162580-53-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of sulfamoyltriazole derivs. as agrochem. fungicides)
RN 154084-27-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



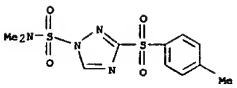
RN 154084-28-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



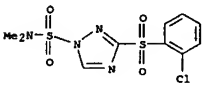
RN 154084-29-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(3-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



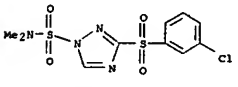
RN 154084-30-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



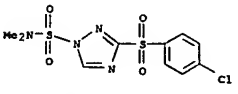
RN 154084-31-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-chlorophenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



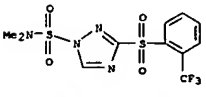
RN 154084-32-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chlorophenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



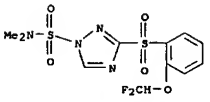
RN 154084-33-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4-chlorophenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



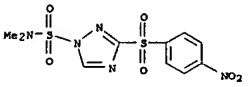
RN 154084-34-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



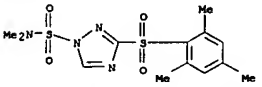
RN 154084-35-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(difluoromethoxy)phenyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



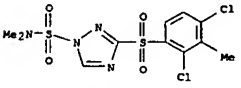
RN 154084-36-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(4-nitrophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



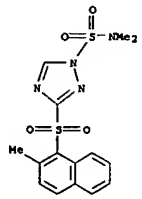
RN 154084-37-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2,4,6-trimethylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



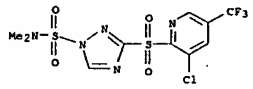
RN 154084-38-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2,4-dichloro-3-methylphenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



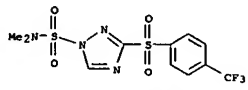
RN 154084-39-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-methyl-1-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



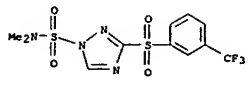
RN 154084-40-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 154084-46-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 162580-53-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[3-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

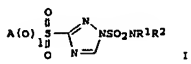


L6 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:245121 CAPLUS
DOCUMENT NUMBER: 120:245121
TITLE: Preparation of sulfamoyltriazole derivatives as agrochemical microbicides
INVENTOR(S): Usui, Yoshihiro; Tsutsumi, Yoshimi; Goh, Atsushi; Yamada, Seiichiro

PATENT ASSIGNEE(S): Mitsubishi Petrochemical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9401419	A1	19940120	WO 1993-JP939		19930708
W: AU, BG, CA, RU, UA, US					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
JP 06032785	A2	19940208	JP 1992-186869		19920714
AU 9345138	A1	19940131	AU 1993-45138		19930708
AU 662651	B2	19950907			
EP 603415	A1	19940629	EP 1993-914971		19930708
R: DE, ES, FR, IT, PT					
CA 2116220	C	19970204	CA 1993-2116220		19930708
US 5527816	A	19960618	US 1994-199218		19940303
PRIORITY APPLN. INFO.:			JP 1992-186869	A	19920714
			WO 1993-JP939	A	19930708

OTHER SOURCE(S): MARPAT 120:245121
GI

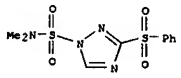


I

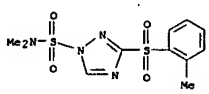
AB The title compds.I [R1, R2 = alkyl, or R1 and R2 may be combined together to represent C3-C6 alkylene which may be substituted by lower alkyl; A = substituted aryl; l = 0 - 1] are prepared I have prophylactic and therapeutic effects against various disease damages even in an extremely low dose without inflicting any chemical injury to crops. I (A = Ph; l = 1; R1 = R2 = Me) at 200 ppm gave ≥95% control of Pseudoperonospora cubensis spores. Two compds. I at 200 ppm gave ≥95% control of Phytophthora infestans spores. Formulations containing I are given.

IT 154084-27-2P 154084-28-3P 154084-29-4P
154084-30-7P 154084-31-8P 154084-32-9P
154084-33-0P 154084-34-1P 154084-35-2P
154084-36-3P 154084-37-4P 154084-38-5P
154084-39-6P 154084-40-9P 154084-46-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as agrochem. microbicide)

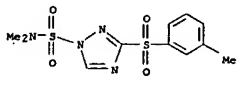
RN 154084-27-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



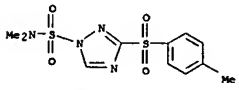
RN 154084-28-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



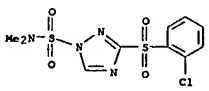
RN 154084-29-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(3-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



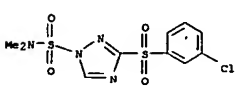
RN 154084-30-7 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



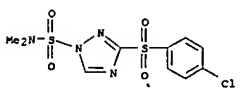
RN 154084-31-8 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2-chlorophenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



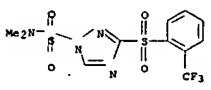
RN 154084-32-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(3-chlorophenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



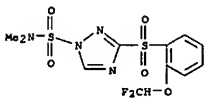
RN 154084-33-0 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(4-chlorophenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



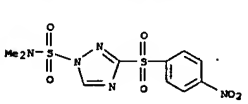
RN 154084-34-1 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[2-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



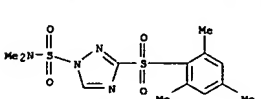
RN 154084-35-2 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[2-(difluoromethoxy)phenyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



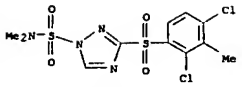
RN 154084-36-3 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(4-nitrophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



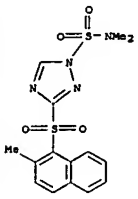
RN 154084-37-4 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2,4,6-trimethylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



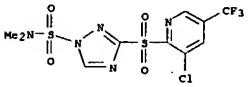
RN 154084-38-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[(2,4-dichloro-3-methylphenyl)sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



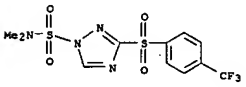
RN 154084-39-6 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[(2-methyl-1-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 154084-40-9 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, 3-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 154084-46-5 CAPLUS
CN 1H-1,2,4-Triazole-1-sulfonamide, N,N-dimethyl-3-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



=> log hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	61.62	225.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-8.76	-8.76

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:59:46 ON 01 DEC 2005